

Title (en)
COLLOIDAL AGENTS FOR AQUIFER AND METALS REMEDIATION

Title (de)
KOLLOIDALE MITTEL FÜR METALL- UND GRUNDWASSERSANIERUNG

Title (fr)
AGENTS COLLOÏDAUX POUR RÉHABILITATION D'AQUIFÈRES ET DE MÉTAUX

Publication
EP 3429745 A1 20190123 (EN)

Application
EP 17767567 A 20170316

Priority

- US 201662309193 P 20160316
- US 201715460003 A 20170315
- US 2017022795 W 20170316

Abstract (en)
[origin: WO2017161178A1] Compositions and methods for treating contaminated soil and/or ground water in situ. The compositions and methods comprise stabilized forms of colloidal remediation agents that are used to remediate contaminants, namely, organic and inorganic contaminants. The compositions and methods of the present invention are operative to transport particulate remediation agent materials through a matrix of soil and groundwater upon application by injection, gravity feed, or percolation into soil and groundwater, which in turn sequester, destroy or stabilize contaminants out of water to thus decontaminate groundwater in place without the cost or disruption associated with digging the contaminated soil and groundwater out of the ground for on-site purification or disposal at a hazardous waste landfill.

IPC 8 full level
B01J 20/26 (2006.01); **B01J 20/20** (2006.01); **B01J 20/28** (2006.01); **B09C 1/00** (2006.01); **C02F 1/28** (2006.01)

CPC (source: EP)
B01J 13/0008 (2013.01); **B01J 13/0021** (2013.01); **B01J 13/0034** (2013.01); **B01J 13/0047** (2013.01); **B09C 1/00** (2013.01); **B09C 1/08** (2013.01); **C02F 1/28** (2013.01); **B09C 2101/00** (2013.01); **C02F 3/00** (2013.01); **C02F 2103/06** (2013.01); **C02F 2305/04** (2013.01)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2017161178 A1 20170921; EP 3429745 A1 20190123; EP 3429745 A4 20191120

DOCDB simple family (application)
US 2017022795 W 20170316; EP 17767567 A 20170316